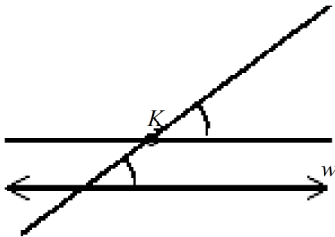


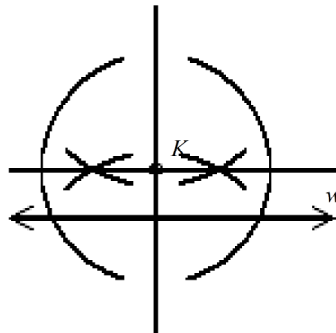
HSCA2-GEOMETRYEOC

1. Which diagram suggests a correct construction of a line parallel to given line w and passing through given point K ?

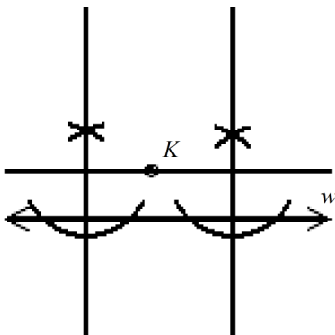
A.



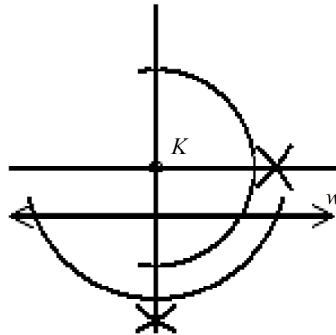
C.



B.

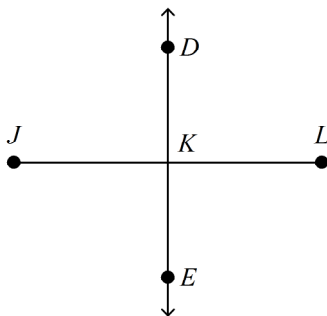


D.



2. Which statement is not necessarily true?

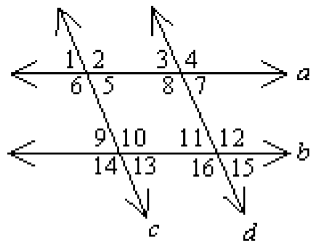
Given: \overleftrightarrow{DE} is the \perp bisector of \overline{JL} .



- A. $\overline{DK} = \overline{KE}$
 B. $\overline{DE} \perp \overline{JL}$

- C. K is the midpoint of \overline{JL} .
 D. $\overline{DJ} = \overline{DL}$

3. Which angles are corresponding angles?



A. $\angle 8$ and $\angle 16$

B. $\angle 7$ and $\angle 8$

C. $\angle 4$ and $\angle 8$

D. none of these

4. Where can the lines containing the altitudes of an obtuse triangle intersect?

I. inside the triangle

II. on the triangle

III. outside the triangle

A. I only

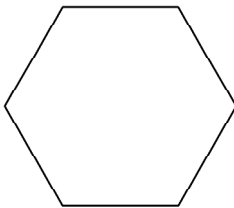
B. I or II only

C. III only

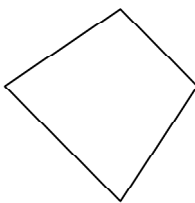
D. I, II, or III

5. Judging by appearances, which figure is a trapezoid?

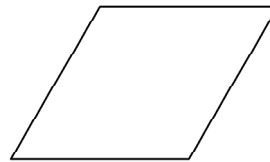
A.



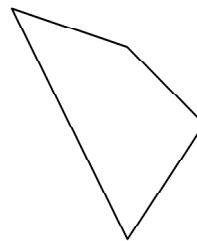
B.



C.



D.



6. Which statement is true?

A. All quadrilaterals are rectangles.

B. All quadrilaterals are squares.

C. All rectangles are quadrilaterals.

D. All quadrilaterals are parallelograms.

7. Plane ABC and plane BCE _____ be the same plane.

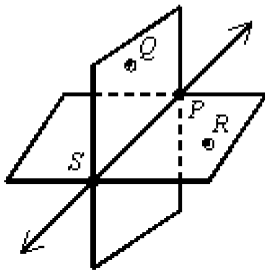
A. must

B. may

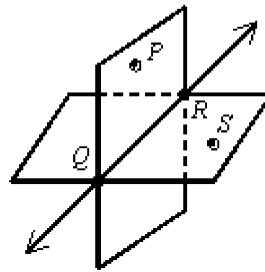
C. cannot

8. Which diagram shows plane PQR and plane QRS intersecting only in \overleftrightarrow{QR} ?

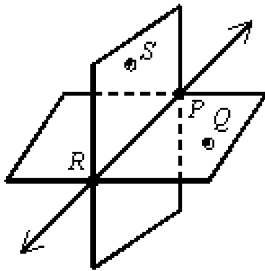
A.



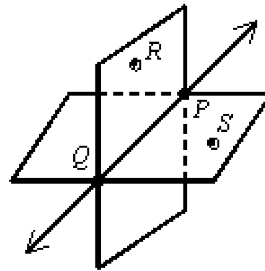
C.



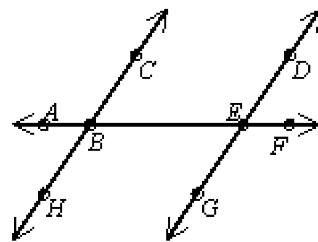
B.



D.



9. Which statement is true?



- A. $\angle CBA$ and $\angle EBH$ are same-side angles.
- B. $\angle EBH$ and $\angle BED$ are same-side angles.
- C. $\angle CBA$ and $\angle HBE$ are alternate interior angles.
- D. $\angle EBH$ and $\angle BED$ are alternate interior angles.

10. Where can the medians of a triangle intersect?

- I. inside the triangle
 - II. on the triangle
 - III. outside the triangle
- A. I only B. III only C. I or III only D. I, II, or III